MUD SPRINGS RANCH QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING SWELTWATER CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomencla-**OPEN FILE REPORT 78-031** NON-FEDERAL COAL LAND — Land NA NA for which the Federal Government does not own the coal rights. TRACE OF COAL BED OUTCROP -R (85%) Dashed where approximately located, dotted where concealed; measured thickness in feet at triangle. Arrow points to the coal bearing area. Letters designate name of coal bed. COAL BED SYMBOLS AND NAMES RESERVE BASE BOUNDARY — Long dashed for the 5-foot coal isopach. Arrows point toward the area with thicker coal. STRIPPING-LIMIT LINE — Boundary for surface mining of the Lower Little Valley (LV), and Lower Mourning Dove 34 (LD) coal beds (in this quadrangle, the 200-foot overburden isopach). Arrows point toward the area suitable for surface mining, with a recovery factor of 85 percent. A recovery factor of 50 per--RB R (50%) cent applies to the area suitable for 20 subsurface mining (200 to 1000 feet of overburden). T 16 10 05 2.0 1.0 IDENTIFIED RESOURCES OF THE UPPER SPARROW (US), LOWER LIT-TLE VALLEY (LV), AND LOWER MOURNING DOVE (LD) COAL BEDS -Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land. Dash indicates no resources in that category. Reserve Base (RB) X Recovery Factor (0.85 or 0.50) = Reserves (R). To convert short tons to metric tonnes, multiply short tons by 0.9072. 11 10 12 10 17'30" R (85%) 17'30" RB R (85%) 1.2 1.02 .08 .068 RB R (50%) .45 .02 15 18 14 13 17 Lower Little Valley RB R (50%) .30 19 23 24 22 22 Upper Sparrow RB R (85%) .07 .059 RB R (85%)
10 085 27 30 29 28 25 27 41° 15′ 109° 00′ (POTTER MOUNTAIN) 4266 III NW 57' 30" R. 103 W. R. 102 W. 108° 52′ 30″ SCALE 1:24 000 Base from U.S. Geological Survey, 1968 3000 5000 7000 FEET 6000 1 KILOMETER 1 5 0 1°22' WYOMING UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

UNITED STATES

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE MUD SPRINGS RANCH QUADRANGLE, SWEETWATER COUNTY, WYOMING BY JOSEPH D. SANCHEZ

1978

PLATE 23 **IDENTIFIED RESOURCES** OF THE UPPER SPARROW, LOWER LITTLE VALLEY, AND LOWER MOURNING **DOVE COAL BEDS**

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EXPLANATION

US — Upper Sparrow LV —Lower Little Valley LD —Lower Mourning Dove

01 (Indicated resources) 05 (Inferred resources)

To convert feet to meters, multiply feet by 0.3048.

RB R (50%)